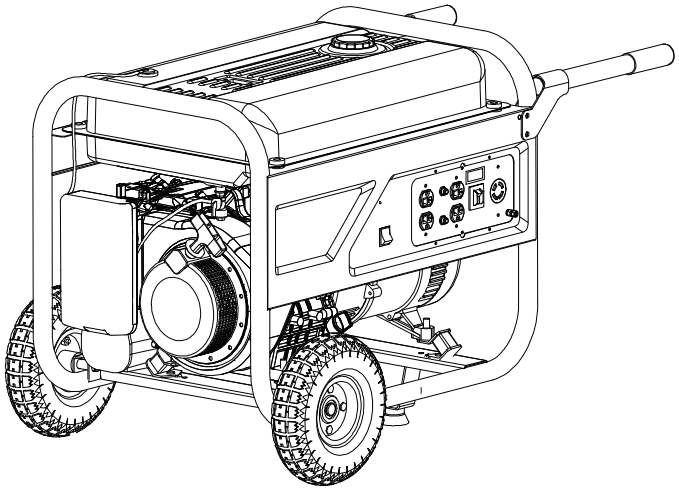
GASOLINE GENERATOR

POWERED BY MITSUBISHI



IMPORTANT – Please make certain that persons who are to use this equipment thoroughly read and understand these instructions and any additional instructions provided prior to operation.

NOTE:
No refund or exchange once gasoline is placed into the fuel tank.Warranty registration must be complete within 30 days of purchase with proof of purchase.

MBG1200
MBG2902
MBG3500
MBG5500
MBG6500/X
MBG7000/X

Operator's Manual

NOTE:
THERE IS A PERMANENT CONDUCTOR BETWEEN THE GENERATOR (STATOR WINDING) AND THE FRAME.

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SAFETY INSTRUCTIONS

⚠ DANGER	⚠ WARNING	⚠ CAUTION
DANGER indicates a potentially hazardous situation which, if not avoided, WILL result in death or serious injury.	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate personal injury, or property damage.

⚠ WARNING

To reduce the risk of serious injury or even death, read the following safety precautions and operating instructions before operating.

⚠ DANGER

Using a generator indoors WILL KILL YOU IN MINUTES

- Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.
- NEVER use inside a home or garage, even IF doors and windows are open; only use OUTSIDE and far away from windows, doors and vents.

⚠ DANGER

FUEL IS HIGHLY FLAMMABLE AND EXPLOSIVE

- Always turn off the engine before adding fuel. Hot engine parts, sparks or cigarettes can ignite gasoline. Store fuel away from generator.
- Never refuel while smoking or in the vicinity of an open flame.
- Take care not to spill any fuel on the engine or muffler when refueling.
- Before transporting the generator in a vehicle, drain all fuel to prevent leakage.
- Store the generator in a well ventilated area with the fuel tank empty.

⚠ DANGER

ELECTRICAL SHOCK

- Never operate the generator in rain, in wet or damp locations, or with wet hands, a serve electrical shock may occur causing serious injury.
- Generator should not be operated or stored in wet or damp conditions or on highly conductive locations such as metal decking and steel work.
- Always make sure the generator is properly grounded before operating. Failure to do so may result in serious injury.

⚠ WARNING

ENGINE AND MUFFLER MAY BE HOT

Contact with muffler area can result in serious burns. Exhaust heat/gases can ignite combustibles, structures or damage fuel tank causing a fire.

- DO NOT touch hot parts and AVOID hot exhaust gases. Allow equipment to cool before touching.

U.S. Code of Federal Regulation (CFR) Title 36 Parks, Forests, and Public Property require equipment powered by an internal combustion engine to have a spark arrester, maintained in effective working order, complying to USDA Forest service standard 5100-1C or later revision. In the State of California a spark arrester is required under section 4442 of the California Public resources code. Other states may have similar laws.

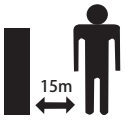
⚠ WARNING

Starter and other rotating parts can entangle hands, hair, clothing, or accessories.

- Do not wear loose clothing, jewelry, or anything that may be caught in the starter or other rotating parts.
- Tie up long hair when operating the generator.

⚠ WARNING

KEEP CHILDREN AND PETS AWAY



Keep bystanders, especially children and pets, at least 50 feet (15m) from the generator. Do not let children touch the generator. When not in use, the generator should be stored in a dry, locked location, out of reach of children.

⚠ CAUTION

HEAVY LOAD

Use proper lifting techniques when transporting the generator from site to site. Improper lifting techniques may result in personal injury.

⚠ CAUTION

Improper treatment can damage the unit and shorten its life

To prevent surging that may possibly damage the equipment, do not allow engine to run out of fuel when electrical loads are applied.

Do not stick anything through ventilating slots, even when the generator is not operating. This can damage the generator or cause personal injury.

The generator will do a better and safer job if it is used at the rate for which it was designed.

- Load must be kept within rating stated on generator nameplate. Overloading will damage the unit or shorten its life.
- Engine must not be run at excessive speeds. Operating an engine at excessive speeds increases the hazard of personal injury. Do not tamper with parts which may increase or decrease the governed speed.

Do not connect the generator to another generator to use in parallel. Doing so may result in damage to the internal components.

Extension cords, power cords, and all electrical equipments must be in good condition. Never operate electrical equipment with damaged or defective cords.

⚠ CAUTION

The unit should never be operated under these conditions

a. Uncontrolled change in engine speed.
b. Electrical output loss.
c. Overheating in connected equipment.
d. Sparking.
e. Damaged receptacles.
f. Engine misfire.
g. Excessive vibration.
h. Flame or smoke.
i. Enclosed compartment.
j. Rain or inclement weather. Do not let the unit get wet when operating.

NOTICE

Engine oil is hazardous to the environment

Be very careful when changing the oil to prevent spilling onto the ground. Even if it is washed away, it will not mix with water and will pollute the watershed—having a negative impact on the plants and animals that it comes in contact with.

When disposing of engine oil:

1. While changing the engine oil, place a drip pan under the oil plug to collect the waste.
2. Soak up any spills with sawdust, kitty litter, or sand. NEVER dump down the drain or sewer.
3. Take the oil and filter to an oil recycling center.

WARNING

READ SERVICE LITERATURE. Improper operation of this equipment could result in property damage, serious injury or death from the following hazards:

Risk of electrocution. Risk of property damage. Connecting generator to a structure's electrical system requires installation of a double-throw transfer switch by a qualified electrician to prevent back-feed. Do not operate generator in wet conditions.

Risk of fire or explosion. Always turn off engine before adding fuel. Hot engine parts, sparks, or cigarettes can ignite gasoline. Store fuel away from generator.

Breathing hazard. Engine exhaust fumes can cause injury or death. Always operate generator in a well-ventilated, non-confined area. There must be a fresh flow of air. Provide proper ventilation.

Hot Surfaces. Keep children away from generator and avoid contact with hot generator and engine parts. Carrying the unit while the engine is running could result in serious burns.

AVERTISSEMENT

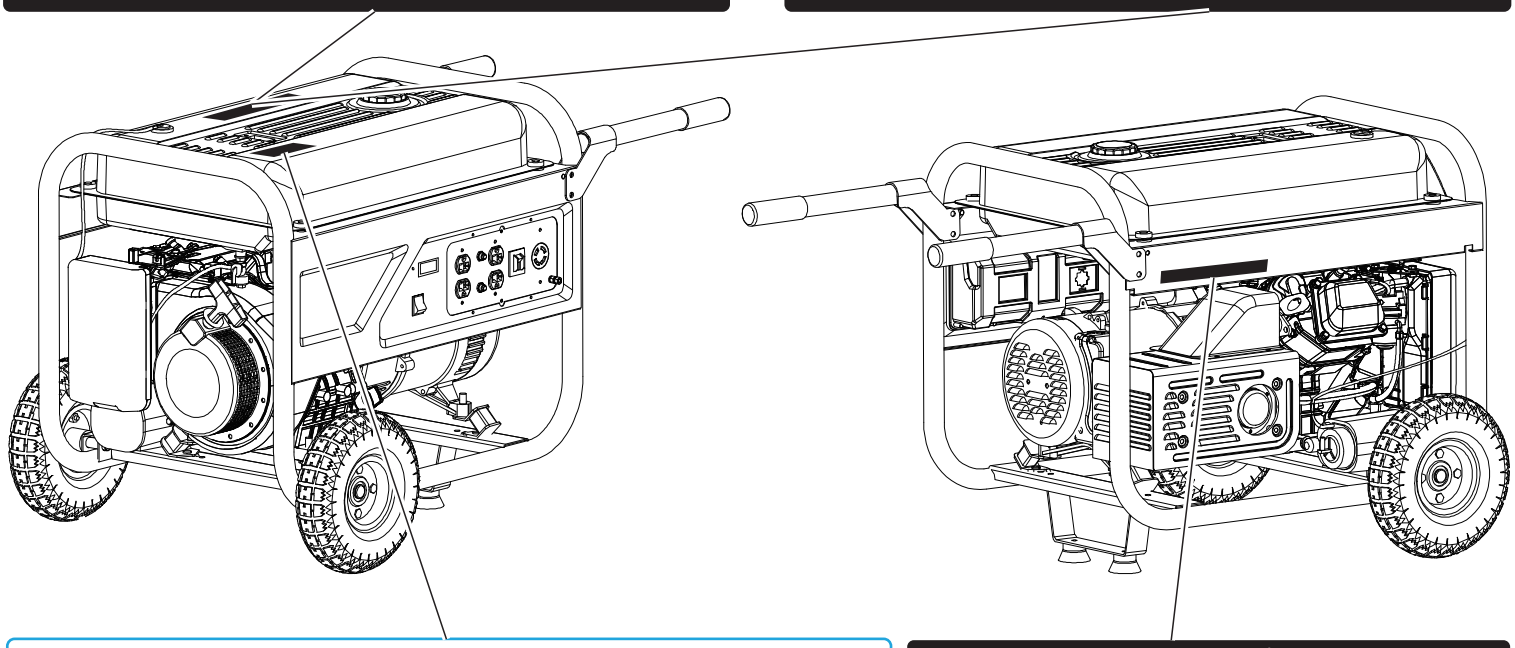
VEUILLEZ LIRE LA DOCUMENTATION D'ENTRETIEN. Une utilisation inappropriée de cet appareil risque d'entraîner des dommages matériels, des blessures graves ou même la mort en raison des dangers suivants :

Risque d'électrocution. Risque de dommages matériels. Le raccordement de la génératrice au système électrique d'un bâtiment requiert l'installation d'un commutateur de transfert à deux directions par un électricien qualifié afin de prévenir les risques associés au rétablissement du courant. N'utilisez pas une génératrice dans un milieu humide.

Risque d'incendie et d'explosion. Assurez-vous de toujours arrêter le moteur avant d'ajouter du carburant. Les pièces chaudes du moteur, les étincelles et les cigarettes peuvent mettre l'essence en feu. Rangez le carburant loin de la génératrice.

Danger respiratoire. Les gaz d'échappement du moteur peuvent nuire à la santé et même entraîner la mort. Utilisez toujours la génératrice dans un endroit non-clos bien aéré. Il doit y avoir un débit d'air frais. Assurez-vous qu'il y ait une bonne ventilation.

Surfaces chaudes. Gardez les enfants éloignés de la génératrice et évitez tout contact avec les pièces chaudes de la génératrice et du moteur. Si vous transportez l'appareil lorsque le moteur est en marche, vous risquez de vous brûler gravement.



DANGER

Using a generator indoors WILL KILL YOU IN MINUTES.

Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.

NEVER use inside a home or garage, Even IF doors and windows are open.

Only use OUTSIDE and far away from windows, doors and vents.

DANGER

L'utilisation d'une génératrice à l'intérieur PEUT VOUS TUER EN QUELQUES MINUTES.

Les génératricesproduisent du monoxyde de carbone, un gaz mortel incolore et inodore.

NE JAMAIS utiliser à l'intérieur d'une maison ou d'ungarage, MÊME SI les portes et les fenêtres sont ouvertes.

Utiliser uniquement À L'EXTÉRIEUR et loin des fenêtres,des portes et des évents.

WARNING

Hot surface. Risk of burns. Do not touch.

AVERTISSEMENT

Surface chaude. Risque de brûlure. N'y touchez pas.

TOTAL WATTAGE, VOLTAGE AND INSTALLATION

TOTAL WATTAGE

In order to prevent overloading and possible damage to your generator it is necessary to know the total wattage of the connected load. To determine which tools and/or appliances your generator will run follow these steps:

1. Determine if you want to run one item or multiple items simultaneously.
2. Check wattage requirements for the items you will be running by referring to the load's nameplate or by calculating it (multiply amps x volts = watts).
3. Total the watts for each item. If the nameplate only gives volts and amps, multiply volts x amps = watts. 1 KW = 1,000 watts.
4. Motorized appliances or tools require more than their rated wattage for start up.

NOTE: Allow 2 1/2 to 4 times the listed wattage for starting equipment powered by electric motors.

5. The generator's rated watts should match or exceed the total number of watts required for the equipment you want to run.
6. Always connect the heaviest load to the generator first, then add other items one at a time.

VOLTAGE

⚠ WARNING

Operating voltage and frequency requirement of all electronic equipment should be checked prior to plugging them into this generator. Damage may result if the equipment is not designed to operate within a +/- 10% voltage variation, and +/- 3 Hz frequency variation from the generator name plate ratings. To avoid damage, always have an additional load plugged into the generator if solid state equipment (such as a television set) is used. A power line conditioner is recommended for some solid state applications.

A power line conditioner should be used when running one or more of the following solid state items:

Garage door openers, Kitchen appliances with digital displays, Televisions, Stereos, Personal computers, Quartz clocks, Copy machines, Telephone equipment, and other solid state equipment may require a power line conditioner.

INSTALLATION

⚠ WARNING

To avoid possible personal injury or equipment damage, a registered electrician or an authorized service representative should perform installation and all services. Under no circumstances should an unqualified person attempt to wire into a utility circuit.

To avoid back feeding into utility systems, isolation of the residence electrical system is required.

Before temporary connection of the generator to the residence electrical system, turn off the main service/disconnect.

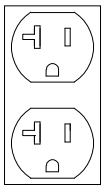
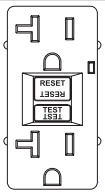
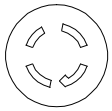
If your generator is to be used as a stand-by power source in case of utility power failure, it should be installed by a registered electrician and in compliance with all applicable local electrical codes.

Proper use requires that a double throw transfer switch be installed by a licensed qualified electrician so that the building's electrical circuits may be safely switched between utility power and the generator's output, thereby preventing back feed into the power utility's electrical system.

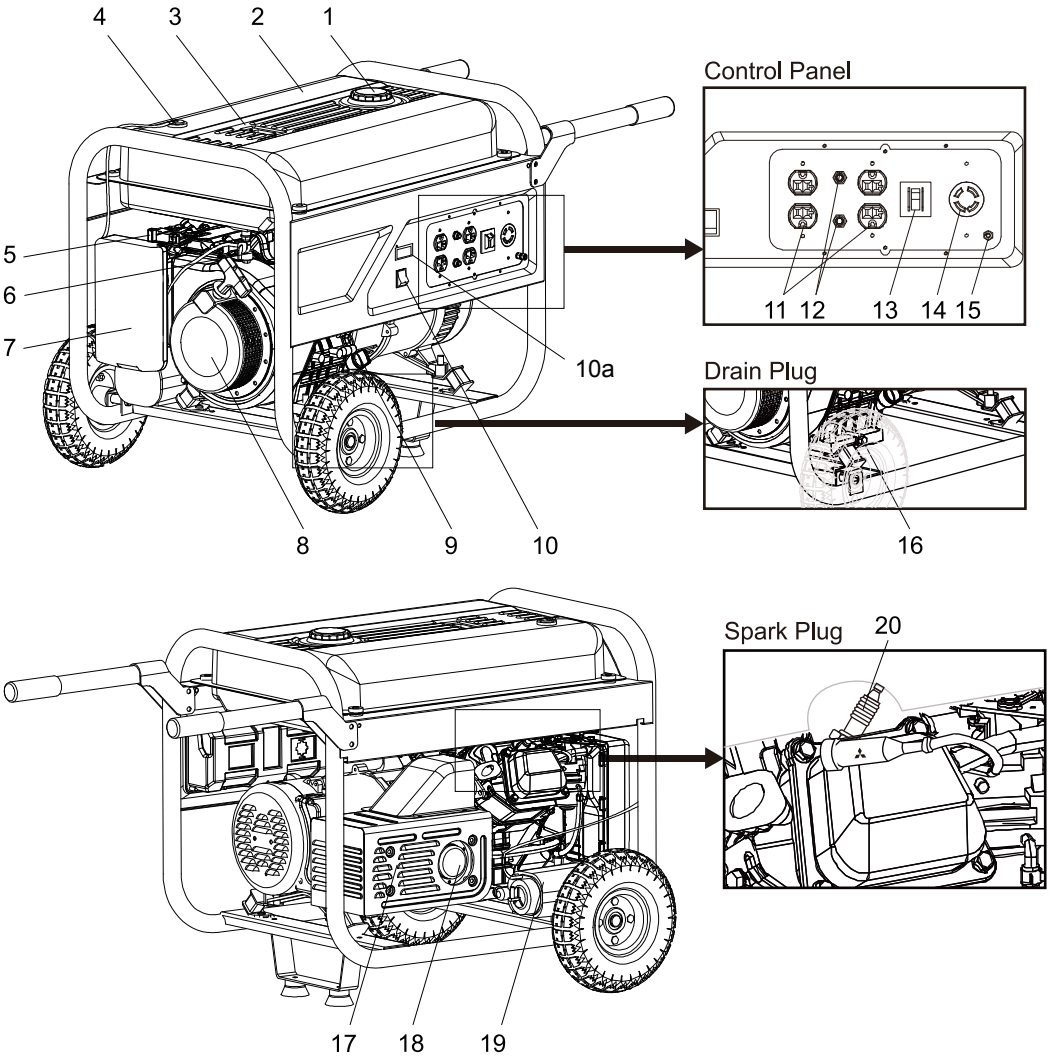
⚠ WARNING

To avoid back feeding into utility systems, isolation of the residence electrical system is required. Before temporary connection of a generator to the residence electrical system turn off the main switch. Before making permanent connections a double throw transfer switch must be installed. To avoid electrocution or property damage, only a trained electrician should connect generator to residence electrical system. California law requires isolation of the residence electrical system before connecting a generator to residence electrical systems. Temporary connection not recommended due to back feeding.

Always follow local codes and regulations that apply to the installation of any item that concerns this product.

Style	Ampere	Receptacle	AC Plug	Description
	Up to 20A	NEMA 5-20R	NEMA 5-20P	Duplex
	Up to 20A	NEMA 5-20R	NEMA 5-20P	GFCI Duplex - Ground Fault Circuit Interrupter
	Up to 30A	NEMA L14-30R	NEMA L14-30P	Twist lock

FEATURES AND CONTROLS

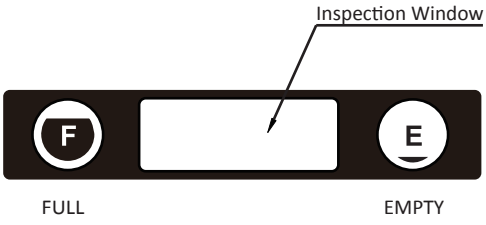


1. Fuel Tank Cap
2. Fuel Tank
3. Fuel Gauge (optional)
4. Fuel Tank Breathing Valve
5. Engine Choke Lever
6. Fuel Shut-off
7. Air Filter
8. Recoil Starter
9. Oil Gauge
10. Engine Shut-off

10a. Hour Meter
(Only for MBG5500/7000/ MBG7000X)

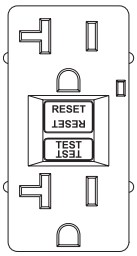
11. 120 V, 20 Ampere Duplex Receptacle or GFCI (optional)
12. AC Protector (MBG5500, MBG6500 Only)
13. Circuit Breaker
14. 120/240 V, 20 Ampere Twist lock Receptacle
15. Ground Terminal
16. Oil Drain Plug
17. Muffler
18. Spark Arrester
19. Carbon Canister

Fuel Gauge (3)
(optional)



120 V, 20 Ampere Duplex Receptacle (11)

20 amps of current may be drawn from each half of the receptacle. However, total power drawn must be kept within nameplate ratings. These receptacles may be used along with the twist lock receptacle provided the generator is not overloaded.



GFCI Duplex Receptacle

120V, 20 Ampere GFCI Duplex Receptacle (optional)
If your generator comes with GFCI duplex receptacle, after starting the engine, check the GFCI for proper functioning by the following test procedure:

- Push TEST button, The RESET button will pop out. Power is now off at the outlets protected by the GFCI, indicating that the device is functioning properly.
- If TRIP does not appear when testing, do not use the generator. Call a qualified electrician.
- To restore power, push RESET button.

⚠ WARNING

If the RESET button pops out during operation, stop the generator immediately and call a qualified electrician for checking generator and the appliances.

⚠ CAUTION

The duplex 120V receptacle is protected by a GFCI. GFCI shuts off the output current from the duplex 120V receptacle when a ground fault occurs in the generator or the appliance. Please note that other receptacles are not protected by GFCI.

AC Protector and Circuit Breaker (12 and 13)

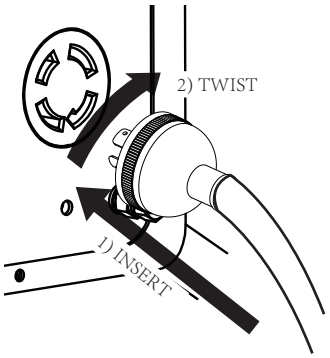
Your generator is protected by an AC protector (expect MBG3500) and circuit breaker. If the generator is overloaded or an external short circuit occurs, the AC protector or circuit breaker will trip. If this occurs, disconnect all electrical loads and try to determine the cause of the problem before attempting to use the generator again. If overloading causes the AC protector and circuit breaker to trip, reduce the load.

⚠ WARNING

Continuous tripping of the AC protector or circuit breaker may cause damage to generator or equipment.

120/240 V, 30 Ampere Twistlock Receptacle (14)

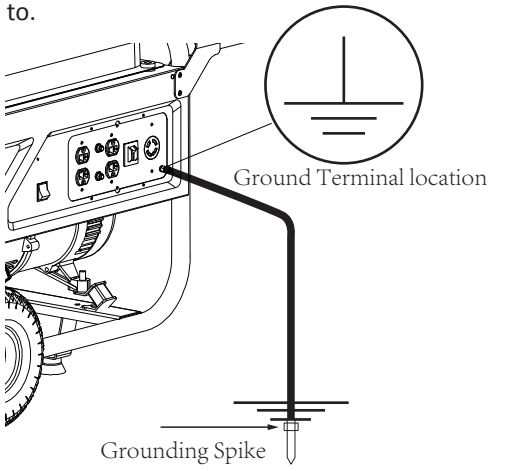
A maximum of 30 amps may be drawn from the 120/240 volt receptacle, provided it is the only receptacle used. However, current must be limited to the nameplate rating. If the 120/240 volt receptacle is used along with the 120 volt receptacle, the total load drawn must not exceed the nameplate ratings.



Ground Terminal (15)

Your generator needs to be properly connected to an appropriate earth ground to help prevent electric shock. A ground terminal connected to the frame of the generator has been provided for this purpose.

Connecting a length of heavy gauge (12 AWG min.) copper wire between the generator Ground Terminal and a copper rod driven into the ground should provide a suitable ground connection. However, consult with a local electrician to insure that local codes are being adhered to.

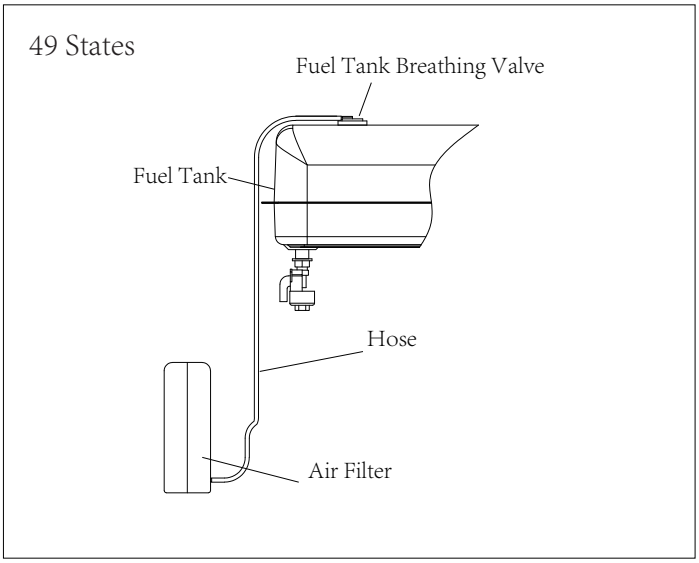


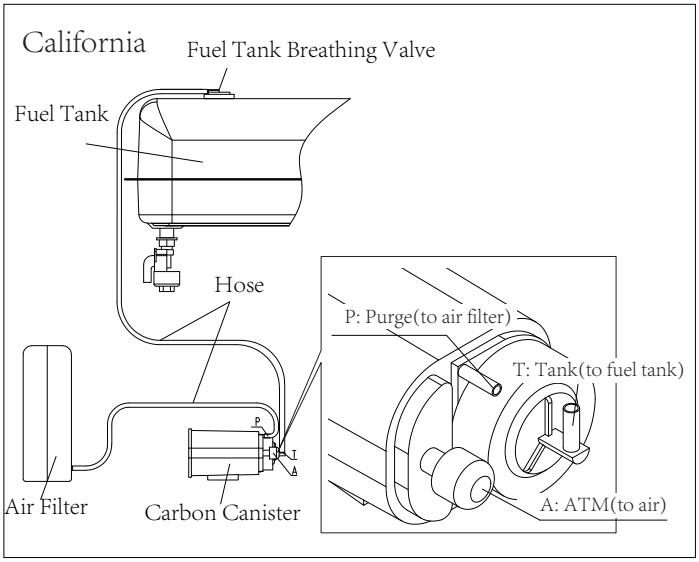
Fuel Tank Breathing Valve (4) & Carbon Canister (19)

Your generator may be equipped with breathing valve and carbon canister required by Section 213 of the Clean Air Act (42 U.S.C. section 7547), 40 CFR Part 90, 40 CFR Part 1054, 40 CFR Part 1045 or 40 CFR Part 1060 and California Health and Safety Code, Section 39600, 39601and 43013.

NOTE

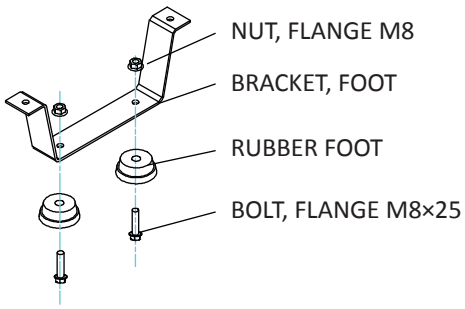
This is a system to control gasoline evaporation. Do not remove the hose, breathing valve and carbon canister when there is fuel in the fuel tank



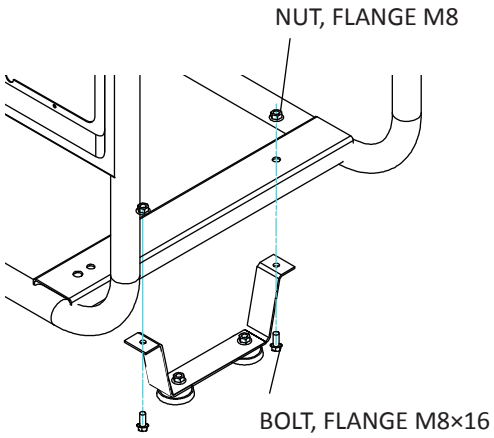


PORTABILITY KIT INSTALLATION

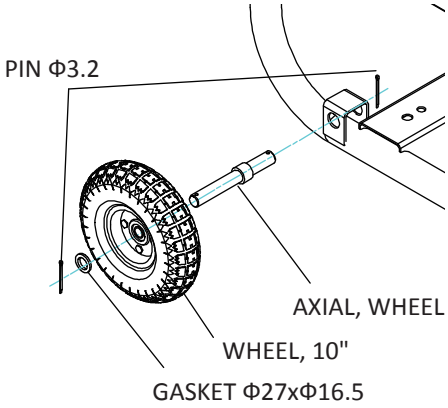
Step 1



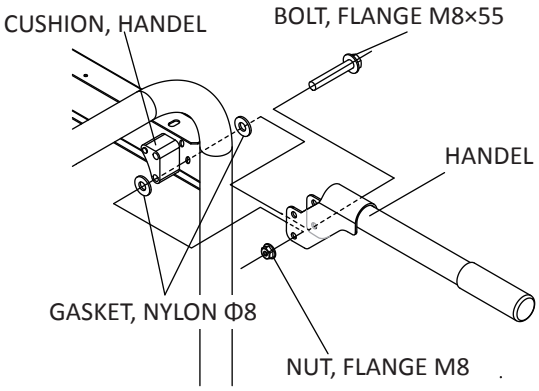
Step 2



Step 3



Step 4

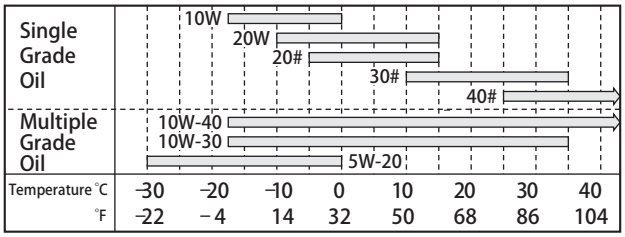


Check Engine Oil

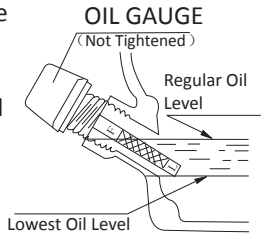
⚠ WARNING

DO NOT attempt to start this engine without filling the crank case with the proper amount and type of oil. Your generator has been shipped from the factory without oil in the crankcase. Operating the unit without oil can damage the engine.

Use class SE oil or a higher grade according to the table below. SAE 10W-30 or 10W-40 is recommended for general, all temperature use.



- Inspect the oil level by using the oil gauge before starting the engine each time;
- Top up the oil level to the maximum level mark and/or until oil flows from the opening;
- Ensure both Oil Gauges are secure.



NOTICE

Low oil sensor

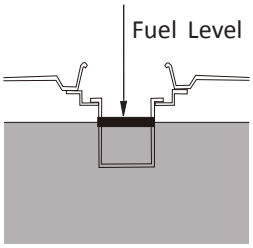
The unit is equipped with a low oil sensor. If the oil level becomes lower than required, the sensor will activate a warning device or stop the engine.
If generator shuts off and the oil level is within specifications, check to see if generator is sitting at an angle that forces oil to shift. Place on an even surface to correct this.
If engine fails to start, the oil level may not be sufficient to deactivate low oil level switch. Make sure the sump is completely full of oil.

Check Engine Fuel

⚠ WARNING

DO NOT refuel while smoking or near open flame or other such potential fire hazards. Otherwise a fire accident may occur.
- Do not refill tank while engine is running or hot.
- Close fuel cock before refueling with fuel.
- Be careful not to admit dust, dirt, water or other foreign objects into fuel.
- Wipe off spilt fuel thoroughly before starting engine.
- Keep open flames away.

Fill the tank with clean, fresh unleaded automotive gasoline
- Check fuel level.
- If fuel level is low, refill with unleaded automotive gasoline.
- Be sure to use the fuel filter screen on the fuel filter neck.



CHECK AIR CLEANER TO MAKE SUR IT IS CLEAN

If not, please refer to “HOW-TO” MAINTENANCE.

Check Loose and Missing Parts

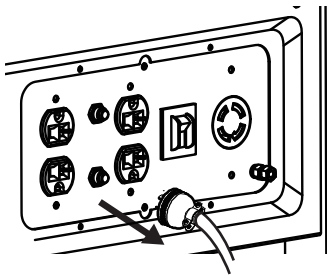
Before starting the generator, check for loose or missing parts and for any damage which may have occurred during shipment.

Check the Generator to Make Sure It Is Correctly Grounded

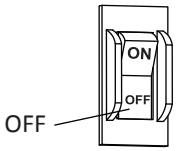
OPERATING THE GENERATOR

Start the Generator

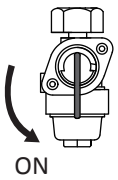
1. Disconnect all electrical loads from the generator;



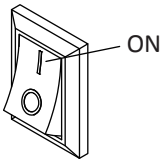
2. Set the circuit breaker to the "OFF" position;



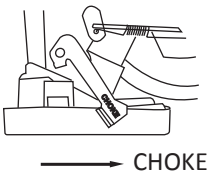
3. Open the fuel shut off;



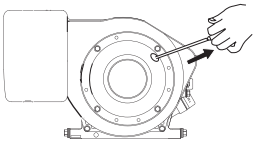
4. Set the engine stop switch to the "ON" position;



5. Set the choke lever to "Choke" positon. Not necessary if the engine is warm;



6. MANUAL START
Pull the starter handle slowly until resistance is felt. This is the "compression" point. Then, return the handle to its original position and pull swiftly until engine starts.



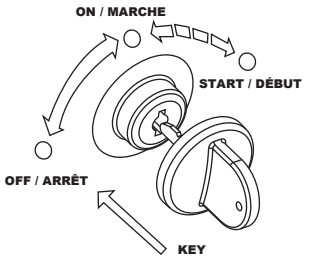
⚠ WARNING

To avoid accidently hurting people nearby when pulling the starter handle, Please keep bystanders, especially children and pets, away.

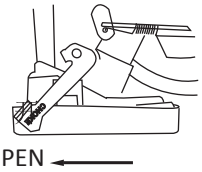
⚠ CAUTION

Do not allow the starter handle to snap back against the engine. Return it gently to its starting position to prevent damage to the starter or the housing.

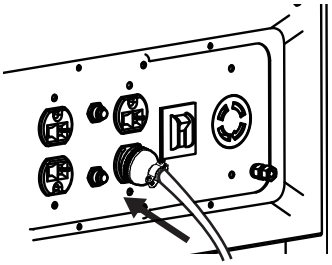
ELECTRIC START(optional feature)
Turn the key to "START" Position until the engine starts,then release the key so it could return to "ON" position automatically;



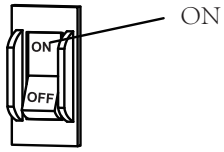
7. As the engine warms up, readjust the choke lever to "OPEN" postion;

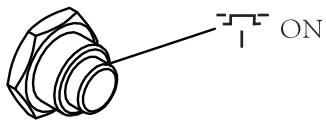


8. Apply load only after generator is running. Voltage is regulated via the engine speed adjusted at the factory for correct output. Readjusting will void warranty.



9. Set all breakers to "ON" Postiion;





⚠ CAUTION

When applying a load, do not exceed the maximum wattage rating of the generator when using one or more receptacles. Also, do not exceed the amperage rating of any one receptacle.

⚠ CAUTION

Do not apply heavy electrical load during break-in period (the first two to three hours of operations)

Stop the Generator

1. Remove entire electrical load;
2. Let the engine run for two minutes without load;
3. Move the engine stop switch to the "OFF" position or turn the key to "OFF" position;
4. Do not leave the generator until it has completely stopped;
5. Close the fuel shut off valve if the engine is to be put in storage or transported;
6. If a cover is used, do not install until unit has cooled.

⚠ CAUTION

Move the engine stop switch to the "OFF" position to stop engine directly in an emergency situation.

MAINTENANCE

1. Maintenance Schedule

ITEM	REMARKS	DAILY Before Operation	INITIAL 25HR	EVERY 50HR	EVERY 100HR
Spark Plug	Check condition adjust gap and clean. Replace if necessary			●	
Engine Oil	Check oil level	●			
	Replace		●		●
Air Filter	Clean, replace if necessary			●	
Fuel Filter	Clean and adjust. Replace if necessary				●
Fuel Hose	Check fuel hose for crack or damage. Replace if necessary				●
Exhaust System	Check for leakage. Retighten or replace gasket if necessary	●			
	Check muffler screen. Clean/replace if necessary				●
Carburetor	check choke operation	●			
Cooling System	Check fan damage				●
Starting System	Check recoil starter operation				●
Fittings Fasteners	Check all fittings and fasteners correct if necessary				●

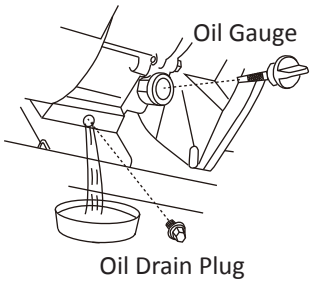
⚠ CAUTION

To prevent accidental starting, always remove the spark plug or cable from the spark plug before maintaining the generator or engine.

2. “How-To” Maintenance

Engine Oil Change

1. Drain oil by removing the drain plug and the oil gauge while engine is warm.
2. Reinstall the drain plug and fill the engine with oil until it reaches the upper level on the oil filler cap.
3. Clean the oil on the panel. Dispose of used oil in local authority disposal site.

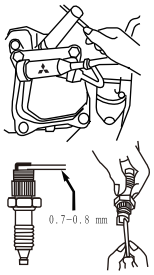


⚠ WARNING

Engine oil may be hot.
Let engine cool at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.

Clean Spark Plug

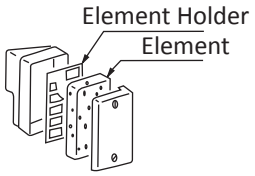
1. If the plug is contaminated with carbon, remove it using a plug cleaner and wire brush.
2. Adjust the electrode gap to 0.7 to 0.8 mm.



Engine	GT241/400/600		GT1000/GT1300			
Manufacturer	NGK	Bosch	NGK	Denso	Champion	Bosch
Product No.	BP6RSH	E6RTC	BPR5ES	W16EPR	RN11YC	WR8DC+

Clean Air Filter

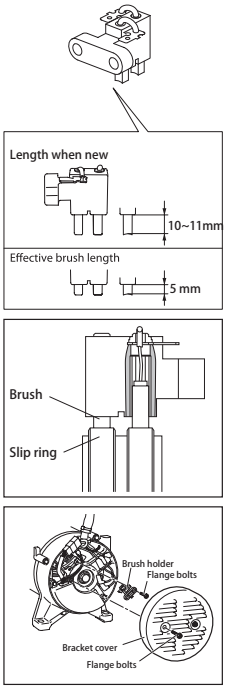
1. Unscrew the air filter cover;
2. Remove filter element and wash well in solvent;
3. Pour a small amount of oil onto the filter element and gently squeeze out any excess oil;
4. Replace the filter element and air filter cover;
5. Be sure the filter cover seals properly all around.



Clean Carbon Brush

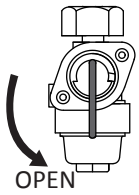
The brush is the area which touches the slip ring, and its surface must be kept smooth.

- If the brush becomes excessively worn, its contact pressure with the slip ring changes and causes a roughened surface on the slip ring, resulting in irregular generator performance.
- Check the brush every 300 hours or if generator performance is irregular.
- If the brush is 0.2 in (5mm) long or less, replace it with a new one.

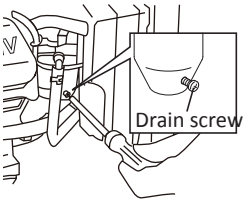


STORAGE

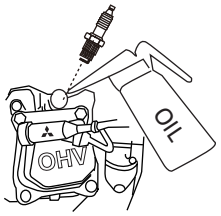
Besides draining fuel from fuel tank, the following procedures should be followed prior to storage of your generator for periods of 3 months or longer.
1. Turn fuel shut off to “OPEN” position.



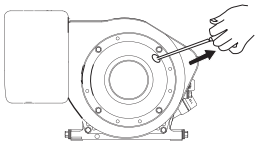
2. Loosen the drain screw on the side of the carburetor float chamber, and drain the fuel completely.
NOTE
1) There are two screws on carburetor. The vertical one is the screw to hold the carburetor float chamber; the other one on the side of the carburetor float chamber is the drain screw.
2) Tighten the drain screw very carefully to avoid damaging the fuel cup.



3. Remove the spark plug, pour 2 to 3 cc of engine oil into the cylinder, and turn the crank shaft several times.



4. Replace the spark plug and pull starter handle until resistance is felt.



5. Store the generator in a well ventilated, low humidity area.

TROUBLE SHOOTING

NOTE

If your generator experiences a low engine oil condition, the engine will automatically shut off. Please check the oil first if you cannot start the generator.

Condition	Cause			Corrective Action
Engine won't start Low engine output Engine runs erratically	Insufficient compression	Loose spark plug		Tighten plug properly
		Loose cylinder head bolt		Tighten bolt properly
		Damaged gasket		Replace gasket
	Sufficient compression	No fuel supplied to combustion chamber	1. Insufficient pulling speed for starting rope	Pull rope sharply
			2. Foreign matter in fuel tank	Clean tank
			3. Clogged fuel line	Clean fuel line
			4. No fuel in tank	Refill tank
			5. Fuel switch not open	Open valve
		Combustion chamber supplied with fuel	1. Spark plug dirty with carbon or wet with fuel	Remove carbon or wipe out spark plug
			2. Damaged spark plug	Replace spark plug
			3. Faulty Magneto	Consult the Service Center
			4. Improper adjustment of carburetor	
		Improper grade of fuel used		Make sure the proper grade of fuel has been used
		Overloading		Make sure you haven’t plugged in too many devices. Check fan
		Overheating		
		Lower oil level		Add sufficient oil as specified.
Engine ON, yet no AC output	Tripped circuit breaker			Reset
	Poor connection or faulty lead			Check and repair
	Broken receptacle			Contact the Service Center
	Faulty circuit breaker			
	Generator problem			

SPECIFICATION

MODEL NO.	MBG1200	MBG3500	MBG5500
Alternator			
Type / Voltage regulation:	Brush/AVR	Brush/AVR	Brush/AVR
Frequency:	60 Hz	60 Hz	60 Hz
Voltage:	120 V	120/240 V	120/240 V
Rated Watts:	1000 W	2800 W	5000 W
Starting Watts:	1200 W	3500 W	5500 W
Engine			
Brand / Model:	MITSUBISHI GT241	MITSUBISHI GT600	MITSUBISHI GT1000
Type:	OHV, 4 Stroke, Air cooled	OHV, 4 Stroke, Air cooled	OHV, 4 Stroke, Air cooled
Displacement:	79.6 cc	181 cc	296 cc
Fuel Tank Size:	1.85 Gallon / Unleaded Gasoline	4 Gallon / Unleaded Gasoline	7 Gallon / Unleaded Gasoline
Run Time @ 75% load	10 Hours / Tank	10.3 Hours / Tank	11.4 Hours / Tank
Lubricating oil:	0.1 Gallon / Engine oil SD or Higher	0.16 Gallon / Engine oil SD or Higher	0.32 Gallon / Engine oil SD or Higher
Starting System:	Manual Start	Manual Start	Manual Start
Oil Alert:	Equipped	Equipped	Equipped
Fuel Gauge:	Optional	Optional	Optional
Control Panel			
Outlets:	(2) 120V, 20A outlets	(4) 120V, 20A outlets, (1) 120/240V, 30A Twistlock Outlet	(4) 120V, 20A outlets, (1) 120/240V, 30A Twistlock Outlet
Hour Meter	–	–	Optional
Circuit Breaker:	Equipped	Equipped	Equipped
Overview			
Weight:	60.6 Lbs. (27.5 kilograms)	99 Lbs. (45 kilograms)	174 Lbs. (79 kilograms)
Dimensions:	18.5"L×14.9" W×15.4" H	22.6" L×17.3" W×18.9" H	28.5" L×20" W×22.5" H

MODEL NO.	MBG6500	MBG7000	MBG6500X	MBG7000X	MBG2902
Alternator					
Type / Voltage regulation:	Brush/AVR		Brush/AVR		Brushless/Condenser
Frequency:	60 Hz		60 Hz		60 Hz
Voltage:	120/240 V		120/240 V		120 V
Rated Watts:	6000 W (※)	6500 W	6000 W (※)	6500 W	2800 W
Starting Watts:	7000 W		7000 W		3500 W
Engine					
Brand / Model:	MITSUBISHI GT1300		MITSUBISHI GT1300		MITSUBISHI GT600
Type:	OHV, 4 Stroke, Air cooled		OHV, 4 Stroke, Air cooled		OHV, 4 Stroke, Air cooled
Displacement:	391 cc		391 cc		181 cc
Fuel Tank Size:	7 Gallon / Unleaded Gasoline		7 Gallon / Unleaded Gasoline		2.6 Gallon / Unleaded Gasoline
Run Time @ 75% load	8.4 Hours / Tank		8.4 Hours / Tank		6.7 Hours / Tank
Lubricating oil:	0.32 Gallon / Engine oil SD or Higher		0.32 Gallon / Engine oil SD or Higher		0.16 Gallon / Engine oil SD or Higher
Starting System:	Manual Start		Manual / Electric Start		Manual Start
Oil Alert:	Equipped		Equipped		Equipped
Fuel Gauge:	Optional		Optional		Optional
Control Panel					
Outlets:	(4) 120V, 20A outlets, (1) 120/240V, 30A Twistlock Outlet		(4) 120V, 20A outlets, (1) 120/240V, 30A Twistlock Outlet		(4) 120V, 20A outlets
Hour Meter	Optional		Optional		–
Circuit Breaker:	Equipped		Equipped		Equipped
Overview					
Weight:	187 Lbs. (85 kilograms)		187 Lbs. (85 kilograms)		106 Lbs. (48 kilograms)
Dimensions:	28.5" L×20" W×22.5" H		28.5" L×20" W×22.5" H		24" L×17.3" W×20" H

(※) rated 6000W for Canadian model in accordance with CSA regulations.

LIMITED WARRANTY

This Mitsubishi engine product carries a guarantee of 24 months. If your product develops a fault within this period, DO NOT return to store, you should, in the first instance contact our customer service.

We welcome warranty repairs and apologize to you for being inconvenienced. Any Authorized Service Dealer may perform warranty repairs. Most warranty repairs are handled routinely, but sometimes requests for warranty service may not be appropriate. To avoid misunderstanding which might occur between the customer and the dealer, listed below are some of the causes of engine failure that the warranty does not cover.

Normal wear: Engines, like all mechanical parts, need periodic parts service and replacement to perform well. Your warranty will not cover repairs when wear has occurred because of misuse, lack of routine maintenance, shipping, handling, has exhausted the life of a part or an engine. Warranty would not apply if engine damage occurred because of misuse, lack of routine maintenance, shipping, handling, warehousing or improper installation. Similarly, warranty is void if the serial number of the engine has been removed or the engine has been altered or modified.

Improper maintenance: The life of an engine depends upon the conditions under which it operates, and the care it receives. Often used in dusty or dirty conditions, which can cause what appears to be premature wear. Such wear, when caused by dirt, dust, spark plug cleaning grit, or other abrasive material that has entered the engine because of improper maintenance, is not covered by warranty.

This warranty covers engine related defective material and/or workmanship only, nor does the warranty extend to repairs required because of:

1. Problems caused by parts that are not original parts.

2. Leaking carburetors, clogged fuel pipes, sticking valves, or other damage, caused by using contaminated or stale fuel.

3. Parts which are scored or broken because an engine was operated with insufficient or contaminated lubricating oil, or an incorrect grade of lubricating oil (check and refill when necessary, and change at recommended intervals). OIL GARD may not shut down running engine. Engine damage may occur if oil level is not properly maintained.

4. Damage or wear to parts caused by dirt, which entered the engine because of improper air cleaner maintenance, re-assembly, or use of a non-original air cleaner element or cartridge. At recommended intervals, clean and/or replace the filter as stated in the Operator's Manual.

5. Parts damaged by over-speeding, or overheating caused by grass, debris, or dirt, which plugs or clogs the cooling fins, or flywheel area, or damage caused by operating the engine in a confined area without sufficient ventilation. Clean engine debris at recommended intervals as stated in the Operator's Manual.

6. Engine or equipment parts broken by excessive vibration caused by a loose engine mounting, or unbalanced impellers, improper attachment of equipment to engine, over-speeding or other abuse in operation.

7. Routine tune-up or adjustment of the engine.

8. Engine or engine component failure, i.e., combustion chamber, valves, valve seats, valve guides, or burned starter, caused by the use of gasoline formulated with ethanol greater than 10%.

Service Information

contact

1-888-666-0292
info@brilliantindustry.com

to find out closest repair center,
to obtain warranty service information
or to order replacement parts or accessories.

HOW TO ORDER REPLACEMENT PARTS
To order replacement parts, please give the following us information:
1. Model No. and Serial No. and all specifications shown on the Model No./Serial No. plate.